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NOTICE OF ALLOWANCE AND FEE(S) DUE

22850 7590 03/17/2009

OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C.

1940 DUKE STREET ALEXANDRIA, VA 22314 EXAMINER

VIJAYAKUMAR, KALLAMBELLA M ART INIT PAPER NIMBER

1793

DATE MAILED: 03/17/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/544,227 08/02/2005		Yoshinori Terui	276171US0PCT	2363		
TITLE OF INVENTION: ELECTRON SOURCE						

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/17/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE: shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This appropriate. All further e indicated unless correcte maintenance fee notificat	a below or directed our	or transmitting the ISSI ig the Patent, advance of nerwise in Block 1, by (a) specifying a new corre	spondence address;	and/or (b) indicating a se	should be completed where nt correspondence address as parate "FEE ADDRESS" for
CURRENT CORRESPONDE	ENCE ADDRESS (Note: Use BI	ock 1 for any change of address)	Fee	(s) Transmittal. Thi	is certificate cannot be used	for domestic mailings of the for any other accompanying ment or formal drawing, must
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OBLON, SPIV 1940 DUKE STE ALEXANDRIA,	AK, MCCLELLA REET VA 22314	AND MAIER & N	EUSTADT, P.C.I he Sta add trar	Cer ereby certify that th tes Postal Service w ressed to the Mail asmitted to the USP	tificate of Mailing or Trai is Fee(s) Transmittal is bei rith sufficient postage for f Stop ISSUE FEE addres FO (571) 273-2885, on the	nsmission ng deposited with the United irst class mail in an envelope as above, or being facsimile date indicated below.
						(Depositor's name)
			_			(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	t	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10:544,227 08:002/2005 Yoshinori Terui 27:6171USOPCT 23:63 TITLE OF INVENTION: ELECTRON SOURCE						2363
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUI	E FEE TOTAL FEE(S) DU	E DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/17/2009
EXAM		ART UNIT	CLASS-SUBCLASS]		
VIJAYAKUMAR, K		1793	252-518100			
1. Change of correspondence address or indication of "Fee Address" (3 CFR 1.63). Change of correspondence address (or Change of Correspondence Address for TOS/81/22) antactor. "Fee Address" indication (or "Fee Address" Indication form F105/84/2); kev 03-02 cm more recent) attached. Use of a Custom Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED.			e or agents OR, alternatively. (2) the name of a single firm (taving as a member a rejujence distorer) or agent) and the names of top to 2 registered patent autorneys or agents. If no name is listed, no name will be printed.			
recordation as set forth (A) NAME OF ASSIC Please check the appropri	SNEE		(B) RESIDENCE: (CIT	f and STATE OR C	COUNTRY)	group entity 🖵 Government
4a. The following fee(s) a	re submitted:	4	b. Payment of Fee(s): (Ple A check is enclosed. Payment by credit ca	ase first reapply ar rd. Form PTO-2038 y authorized to char	ny previously paid issue fe is attached. ge the required fee(s), any	e shown above)
	SMALL ENTITY state	is. See 37 CFR 1.27.			L ENTITY status. See 37	
NOTE: The Issue Fee and interest as shown by the r	I Publication Fee (if req ecords of the United Sta	uired) will not be accepte tes Patent and Trademark	ed from anyone other than k Office.	the applicant; a regi	stered attorney or agent; or	the assignee or other party in
Authorized Signature	Authorized Signature Date					
Typed or printed name				Registration N		
This collection of informa an application. Confident submitting the completed this form and/or suggestic Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this but irginia 22313-1450. DC 13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR	on is required to obtain or 1.14. This collection is es depending upon the indi the Chief Information Offic COMPLETED FORMS T	retain a benefit by t timated to take 12 i vidual case. Any co er, U.S. Patent and O THIS ADDRESS	he public which is to file (a minutes to complete, includ mments on the amount of Trademark Office, U.S. De S. SEND TO: Commissione	nd by the USPTO to process) ling gathering, preparing, and time you require to complete spartment of Commerce, P.O. r for Patents, P.O. Box 1450,

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10/544,227	/544,227 08/02/2005 Yoshinori Terui		276171US0PCT	2363
22850 7	590 03/17/2009	EXAMINER		
OBLON, SPIVA	K, MCCLELLAND	VIJAYAKUMAR, KALLAMBELLA M		
1940 DUKE STRI		ART UNIT	PAPER NUMBER	
ALEXANDRIA, V	VA 22314	1703		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 648 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 648 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/544,227 TERULET AL. Notice of Allowability Examiner Art Unit KALLAMBELLA VIJAYAKUMAR 1793 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 02/19/2009. The allowed claim(s) is/are 1,5-10 and 15-19. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) X All b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. \(\overline{\text{Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material 9. ☐ Other . /Stanley Silverman/ Supervisory Patent Examiner, Art Unit 1793

Art Unit: 1793

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Claims 1, 5-10 and 15-19 are allowed as amended.

Claim-1 incorporates the limitation of claim-12 that was indicated to be allowable in the last office action. An updated search was carried out in detail which did not result in any new prior art of record that either teaches or fairly suggest applicants electron source comprising a combination of specific electron emitter and the cathode structure.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KALLAMBELLA VIJAYAKUMAR whose telephone number is (571)272-1324. The examiner can normally be reached on M-F 07-3.30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stanley Silverman can be reached on 5712721358. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/KMV/ March 5, 2009.

/Stanley Silverman/ Supervisory Patent Examiner, Art Unit 1793